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Distributed Digital Dossier: Completeness, Consistency and Security

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Distributed Digital Dossier: Completeness, Consistency and Security



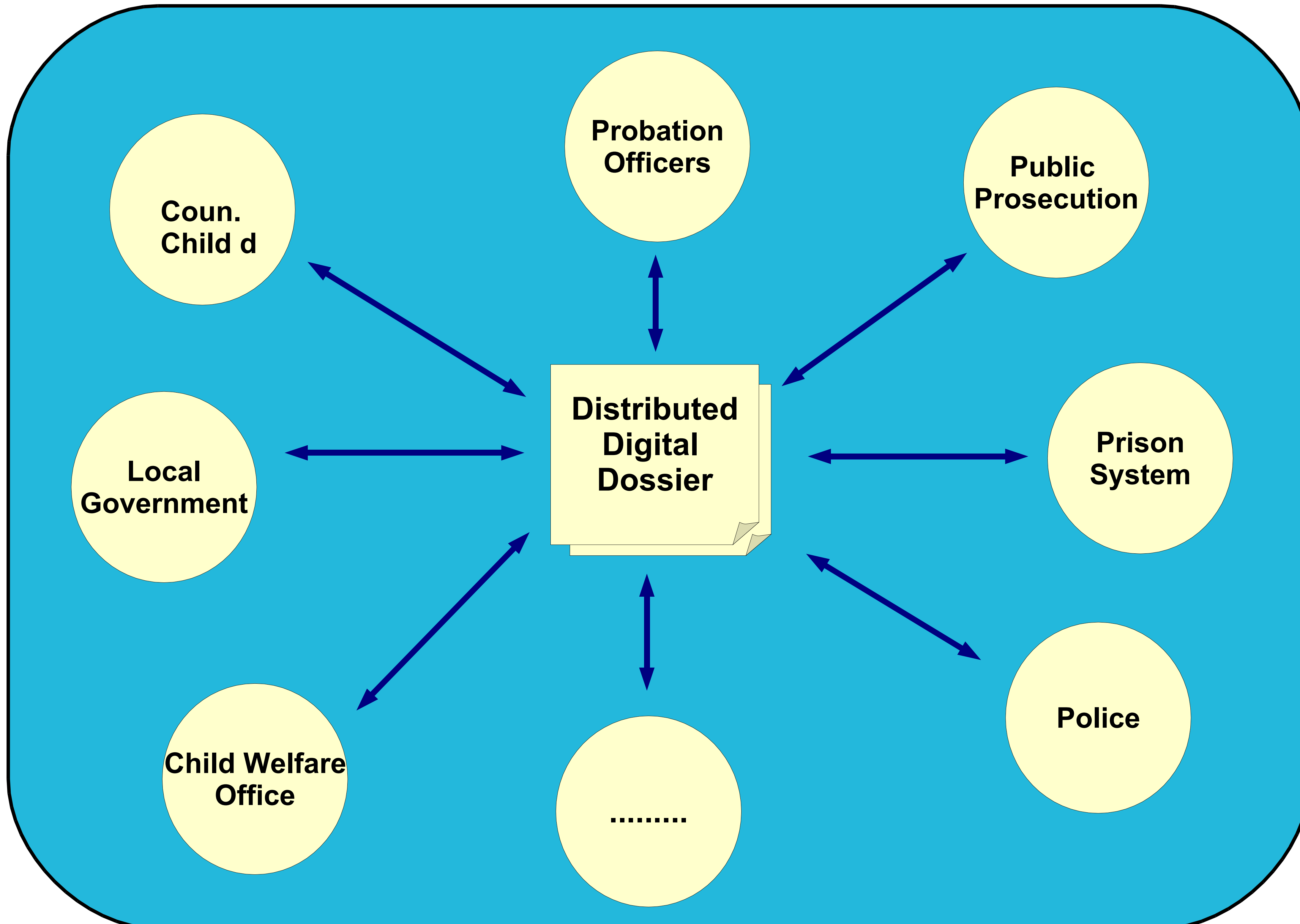
IIDS Intelligent Interactive
Distributed Systems

vrije Universiteit

amsterdam

www.iids.org/access

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Distributing Digital Dossiers:

Each dossier has
(1) meta-data stored by
the Public Prosecutor
centrally,
(2) content, data stored
by the authority
responsible for its
correctness is distributed
across different
organizations.

Advantages:

- Local policies wrt local data can be regulated by local authorities
- Global access regulated by dedicated agents
- Content remains up-to-date by delegated agents.

Completeness

- **Classification on the basis of offense**
- **Offense-determined mandatory information**
- **Other optional offense-related information**



Legal constraints make the project especially
challenging with respect to identity and integrity
management

Consistency

- **Focus on internal consistency of records**
- **Fuzzy matching used to identify inconsistencies**



Security

- **Agent platform security**
- **Integrity of data and communication**
- **Role Based Access Control**
- **Backups**
- **Accountability**



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